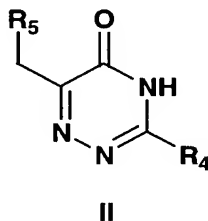


What is claimed is:

1. A process for the preparation of a pyrrolotriazine carboxylic acid comprising the step of: reacting compound II of the formula

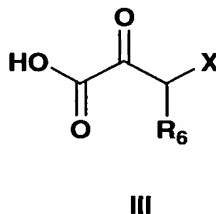


5 wherein

R₄ is hydrogen, alkyl, aryl, or heteroaryl; and

R₅ is hydrogen, alkyl, aryl, or heteroaryl;

with compound III of the formula

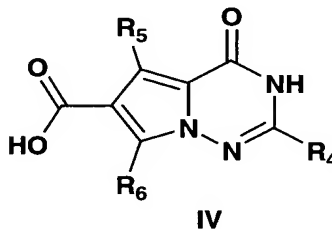


10 wherein

X is a leaving group;

R₆ is hydrogen, alkyl, aryl, or heteroaryl;

to afford compound IV of the formula



15 wherein

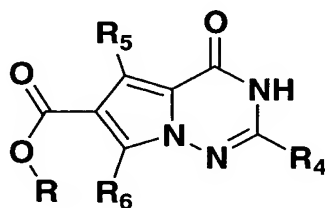
R₄, R₅, and R₆ are as defined above.

2. The process of Claim 1 wherein:

R₄ is hydrogen and

20 R₅ is methyl.

3. The process as defined in Claim 1 wherein compound III is a 3-halopyruvic acid.
4. The process as defined in Claim 3 wherein X is selected from Cl, Br, and $R_9SO_2O^-$, wherein R_9 is selected from alkyl, substituted alkyl, aryl and heteroaryl. .
- 5
5. The process of Claim 1 further comprising the steps of:
- (a) reacting compound IV with an alcohol in the presence of a coupling reagent to form an ester V of the formula



V

10 wherein

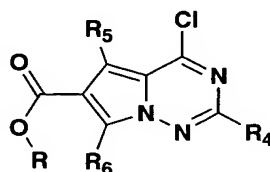
R is alkyl, aryl or heteroaryl

R_4 is hydrogen, alkyl, aryl, or heteroaryl;

R_5 is hydrogen, alkyl, aryl, or heteroaryl; and

R_6 is hydrogen, alkyl, aryl, or heteroaryl;

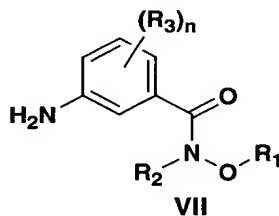
- 15 (b) reacting the ester V with a chlorinating reagent in the presence of a base to give a Compound VI of the formula



VI

wherein R, R_4 - R_6 are as defined in step (a),

- (c) reacting the Compound VI with an aniline Compound VII of the formula



VII

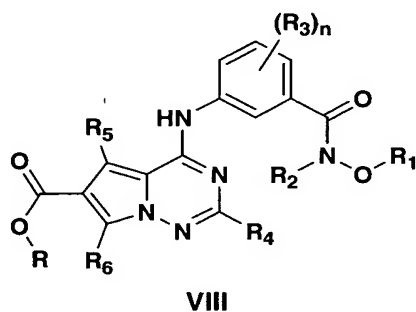
20

wherein

R_1 and R_2 are independently selected from hydrogen and alkyl; and

R_3 is attached to any available carbon atom of the phenyl ring and at each occurrence is independently selected from hydrogen, alkyl, substituted alkyl, halogen, cyano, nitro, amino, hydroxy, alkoxy, and substituted alkoxy;

to give compound VIII of the formula



wherein

R is alkyl, aryl or heteroaryl;

R_1 and R_2 are independently selected from hydrogen and alkyl;

R_3 is attached to any available carbon atom of the phenyl ring and at each occurrence is independently selected from hydrogen, alkyl, substituted alkyl, halogen, cyano, nitro, amino, hydroxy, alkoxy, and substituted alkoxy;

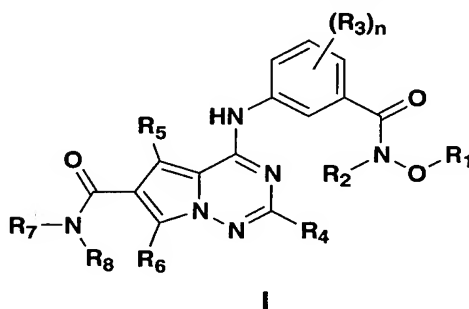
R_4 is hydrogen, alkyl, aryl, or heteroaryl;

R_5 is hydrogen, alkyl, aryl, or heteroaryl;

R_6 is hydrogen, alkyl, aryl, or heteroaryl; and

n is 0, 1, 2 or 3;

(d) reacting compound VIII with an amine NHR_7R_8 to afford pyrrolotriazine carboxamides and benzamides compounds of the formula



wherein R_1 , R_2 , R_3 , R_4 , R_5 , R_6 and n are as defined above, and

R₇ and R₈ are

(i) independently selected from hydrogen, alkyl or substituted alkyl, alkenyl or substituted alkenyl, cycloalkyl or substituted cycloalkyl, aryl or substituted aryl, heteroaryl or substituted heteroaryl, and heterocyclic or substituted heterocyclic; or

(ii) R₇ and R₈ can be taken together with the nitrogen atom to which they are attached to form a heterocyclic or substituted heterocyclic group or a heteroaryl or substituted heteroaryl group; said group formed optionally containing an additional 1 or 2 heteroatoms.

10

6. The process as defined in Claim 5 wherein the coupling reagent in step (a) is hydrogen chloride or sulfuric acid.

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7. The process as defined in Claim 6 wherein the coupling reagent is hydrogen chloride.

8. The process as defined in Claim 6 wherein the alcohol in step (a) is a C₁-C₆ alkanol.

20

9. The process as defined in Claim 8 wherein the alcohol is ethanol or methanol.

10. The process as defined in Claim 6 wherein step (a) is conducted in a solvent, wherein the solvent is a hydrocarbon, an ether, or an alcohol.

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11. The process as defined in Claim 10 wherein the solvent is an alcohol.

12. The process as defined in Claim 11 wherein the alcohol is ethanol.

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13. The process as defined in Claim 6 wherein the chlorinating reagent in step (b) is thionyl chloride, POCl₃, or PCl₅.

14. The process as defined in Claim 13 wherein the chlorinating agent is POCl₃.

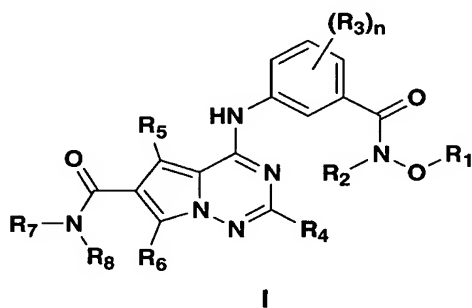
15. The process as defined in Claim 6 wherein the aniline Compound VII in step (c) is N-alkoxy-3-amino-alkylbenzamide.

16. The process as defined in Claim 6 wherein the aniline Compound VII in step (c) is N-methoxy-3-amino-4-methylbenzamide.

17. The process as defined in Claim 6 wherein step (d) is conducted in a solvent or solvent mixture, wherein the solvent is a hydrocarbon, a halogenated hydrocarbon, an ether, an amide, or mixture thereof.

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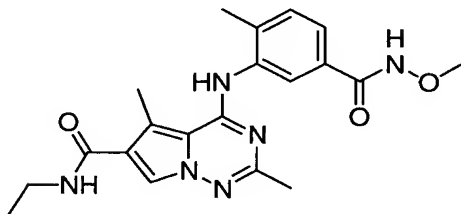
18. A compound of the formula



or a pharmaceutically acceptable salt, solvate, or prodrug thereof prepared by the process as defined in Claim 5.

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19. The compound of Claim 18 wherein the compound has the formula



20. The compound of Claim 19 wherein the pharmaceutically acceptable salt is a methanesulfonic acid salt.